

CORRES. CONTROL
INCOMING LTR NO.

5679 RF 92

E
DATE



Department of Energy

ROCKY FLATS OFFICE
P.O. BOX 928
GOLDEN, COLORADO 80402-0928

NOV 02 1992

92-DOE-12361

ACTION	
DIST.	LTR EMC
BENJAMIN, A.	
BERMAN, H.S.	
CARNIVAL, G.J.	
COPP, B.D.	
CORDOVA, R.C.	
DAVIS, J.G.	
FERRERA, D.W.	
HANNI, B.J.	
HEALY, T.J.	
HILBIG, J.G.	
IDEKER, E.H.	
KERSH, J.M.	
KIRBY, W.A.	
KUESTER, A.W.	
LEE, E.M.	
MANN, H.P.	
MARX, G.E.	
MCKENNA, F.G.	
MONTROSE, J.K.	
MORGAN, R.V.	
PIZZUTO, V.M.	
POTTER, G.L.	
RILEY, J.H.	
SANDLIN, N.B.	
SATTERWHITE, D.G.	
SCHUBERT, A.L.	
SHEPLER, R.L.	
SULLIVAN, M.T.	
SWANSON, E.R.	
WHITE, B.L.	
WILSON, R.B.	
WYON, J.M.	
ZANE, J.O.	

Mr. Martin Hestmark
U.S. Environmental Protection Agency, Region VIII
ATTN: Rocky Flats Project Manager, 8HWM-RI
999 18th Street, Suite 500, 8WM-C
Denver, Colorado 80202-2405

Mr. Gary Baughman
Hazardous Waste Facilities Unit Leader
Colorado Department of Health
4300 Cherry Creek Drive South
Denver, Colorado 80222-1530

Gentlemen:

On July 22, 1992, we notified your staff of an event that occurred during the RCRA Facility Remedial Investigation/Remedial Investigation in Operable Unit 2 (903 Pad, Mound, and East Trenches). The event occurred December 3, 1991, but was first discovered by DOE on July 22, 1992, and was immediately reported. This letter summarizes the event and details actions taken to date to prevent future such events.

On December 2, 1991, during the drilling of borehole 10191 in Trench T-2 (IHSS #110), a trapping layer was encountered at approximately 5 feet with free-phase liquid contamination. Activities were stopped for health and safety reasons because of the need to go to a higher level of Protective Personnel Equipment (Level II). The following day, EG&G gave the direction to their drilling subcontractor to drill through the trapping layer. Preliminary data from the core sample from the 2.8 to 3.0 foot interval indicated concentrations as follows: tetrachloroethene (PCE) 13,000 ppm, trichloroethene (TCE) 120 ppm, carbon tetrachloride (CCL4) 28 ppm, chloroform (CHCL3) 9 ppm, uranium 15 pCi/gram and plutonium 3 pCi/gram. When first encountered, the free-phase product rose to approximately one foot. During the following day, the field crew reported approximately 3 feet of saturated thickness of free-phase liquids in the borehole.

As a result of this event, we instructed EG&G to modify their procedure to prevent the potential of cross contamination during drilling operations. EG&G submitted a Document Change Notice for the procedure (enclosed) September 4, 1992. In light of the recent Office of Solid Waste and Emergency Response (OSWER) Directive No. 9283.1-06, we are instructing EG&G to again revise their procedure. The OSWER Directive, "Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities -- Update," provided valuable guidance for minimizing cross-contamination. We will keep you updated on the change to procedures.

EG&G
ROCKY FLATS PLANT
CORRESPONDENCE CONTROL

Nov 5 8 17 AM '92

Benedetti X X
Orndt M X X
Dille, E X X

CORRES CONTROL	x	x
TRAFFIC		

Reviewed for Addressee
Corres. Control RFP

11-592 Ci
DATE BY

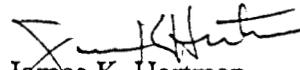
2 of Ltr. #

M. Hestmark & G. Baughman
92-DOE-12361

2

If you have any questions, please contact Scott Grace at 966-7199.

Sincerely,



James K. Hartman
Assistant Manager
for Environmental Management

Enclosure

cc w/Enclosures:

A. Rampertaap, EM-453
J. Ciocco, EM-453
S. Surovchak, ERD, RFO
B. Birk, ERD, RFO
J. Pepe, ERD, RFO
B. Thatcher, ERD, RFO
R. Benedetti, EG&G
M. Arndt, EG&G
E. Dille, EG&G
B. Fraser, EPA
J. Schieffelin, CDH